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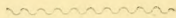
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QUARTERLY JOURNAL
OF
MICROSCOPICAL SCIENCE.

EDITED BY

E. RAY LANKESTER, M.A., LL.D., F.R.S.,

Fellow of Exeter College, Oxford, and Jodrell Professor of Zoology in University College, London;

WITH THE CO-OPERATION OF

E. KLEIN, M.D., F.R.S.,

Lecturer on General Anatomy and Physiology in the Medical School of St. Bartholomew's Hospital, London.

AND

ADAM SEDGWICK, M.A., F.R.S.,

Fellow and Assistant-Lecturer of Trinity College, Cambridge.

WITH LITHOGRAPHIC PLATES AND ENGRAVINGS ON WOOD.



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The Maturation of the Ovum in the Cape and New Zealand Species of <i>Peripatus</i> . By LILIAN SHELDON, Bathurst Student, Newnham College, Cambridge. (With Plates I, II and III) . . .	1

INDEX to QUARTERLY JOURNAL OF MICROSCOPICAL SCIENCE, 1853—'88;
to TRANSACTIONS OF THE MICROSCOPICAL SOCIETY, 1844—'52;
1853—1868; and to PROCEEDINGS OF THE DUBLIN MICROSCOPICAL
CLUB, 1865—'80:

Index to Quarterly Journal of Microscopical Science, 1853—1888, and to Transactions of the Microscopical Society, 1853—1868 .	1
Index to Transactions of the Microscopical Society, 1844—1852 .	73
Index to Proceedings of the Dublin Microscopical Club, 1865—1880	81

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	PAGE
A Comparative Study of Striated Muscle. By WILLIAM A. HASWELL, M.A., D.Sc., Lecturer on Biology, University of Sydney. (With Plates IV and V)	31
Contributions to Animal Chromatology. By C. A. MAC MUNN, M.A., M.D. (With Plate VI)	51
On Some Points in the Anatomy of <i>Polyxenus lagurus</i> . By F. G. HEATHCOTE, M.A., Fellow of the Cambridge Philosophical Society. (With Plate VII)	97
A Remarkable Crustacean Parasite, and its Bearing on the Phylogeny of the Entomostraca. By G. HERBERT FOWLER, B.A., Ph.D., Assistant to the Jodrell Professor of Zoology, University College, London. (With Plate VIII)	107
Notes on the Anatomy of Scorpions. I.—External Sexual Characters. By MULIYIL NARAYANAN, B.A. (Madras). From the Biological Laboratory, Presidency College, Madras. (With Plate IX)	121
The Anatomy of <i>Phoronis Australis</i> . By WILLIAM BLAXLAND BENHAM, D.Sc., Demonstrator in the Zoological Laboratory of University College, London. (With Plates X, XI, XII, and XIII)	125
Karyokinesis and its Relation to the Process of Fertilization. By W. WALDEYER. (With Plate XIV)	159

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CONTENTS OF No. CXX.—New Series.

MEMOIRS:

	PAGE
The Anatomy of Madreporaria: V. By G. HERBERT FOWLER, B.A., Ph.D., University College, London. (With Plate XXVIII)	405
Contributions to the Anatomy of Earthworms, with Descriptions of some New Species. By FRANK E. BEDDARD, M.A., Prosecutor to the Zoological Society of London, Lecturer on Biology at Guy's Hospital. (With Plates XXIX and XXX)	421
On the Phagocytes of the Alimentary Canal. By ARMAND RUFFER, M.A., M.D.Oxon. (With Plate XXXI)	481
Notes on the Hydroid Phase of <i>Limnocoodium Sowerbyi</i> . By G. HERBERT FOWLER, B.A.Oxon., Ph.D., University College, London. (With Plate XXXII)	507
Note on Certain Terminal Organs resembling Touch-corpuscles or End- bulbs in Intra-muscular Connective-tissue of the Skate. By GEORGE CARRINGTON PURVIS, M.D., B.Sc., Demonstrator of Zoology, Uni- versity of Edinburgh. (With upper part of Plate XXXIII)	515
Note on the Transformation of Ciliated into Stratified Squamous Epi- thelium as a Result of the Application of Friction. By JOHN BERRY HAYCRAFT, M.D., D.Sc., and E. W. CARLIER, M.B., B.Sc., Physiological Laboratory, University of Edinburgh. (With lower part of Plate XXXIII)	519
The Development of the Ear and Accessory Organs in the Common Frog. By FRANCIS VILLY, Owens College, Manchester. (With Plates XXXIV and XXXV)	523
<i>Thelaceros rhizophoræ</i> , n.g. et sp., an Actinian from Celebes. By P. CHALMERS MITCHELL, B.A., Junior Demonstrator in the Morphological Laboratory, and Assistant to the Linacre Professor in the University of Oxford. (With Plate XXXVI)	551
Notes on the Genus <i>Monstrilla</i> , Dana. By GILBERT C. BOURNE, M.A., F.L.S., Fellow of New College, Oxford, and Director of the Plymouth Laboratory of the Marine Biological Association. (With Plate XXXVII)	565
On the Maturation of the Ovum and the Early Stages in the Development of Allopura. By SYDNEY J. HICKSON, M.A.Cantab., D.Sc.Lond., &c., Fellow of Downing College, Cambridge. (With Plate XXXVIII)	579

TITLE, CONTENTS, AND INDEX.

Fig. 1.

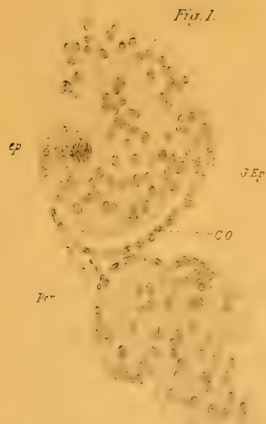


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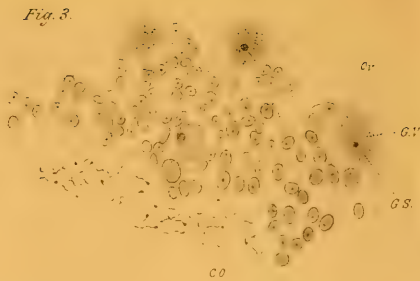


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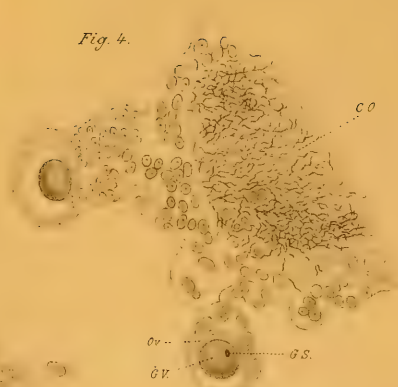


Fig. 5.

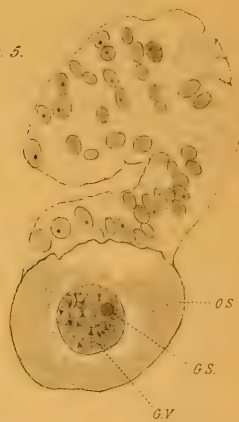


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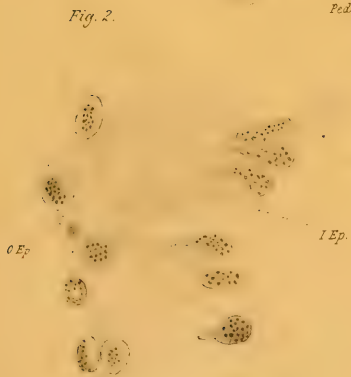


Fig. 8.

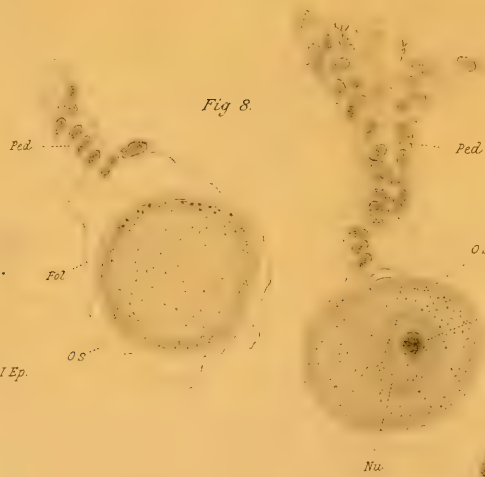


Fig. 11.

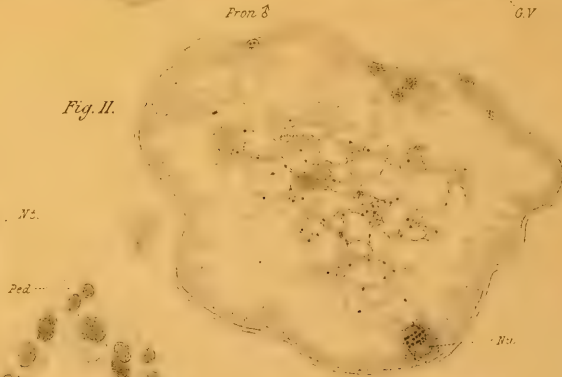


Fig. 6.

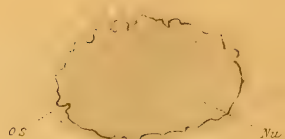


Fig. 9.

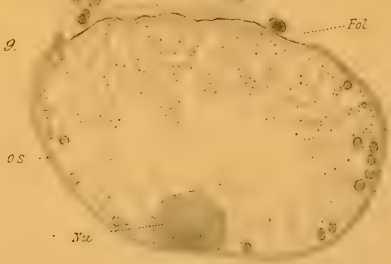


Fig. 10.



Fig. 12.

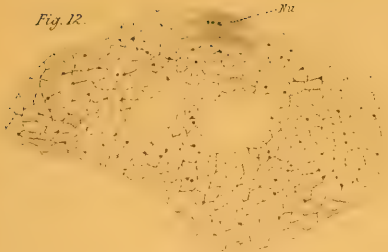


Fig. 13.



Fig. 14 a.



Fig. 14 b.



Fig. 15.



Fig. 16.

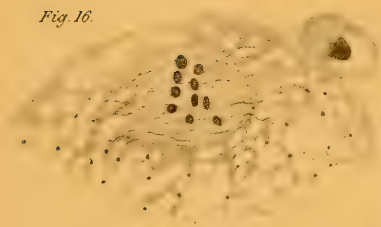


Fig. 17.



Fig. 18.

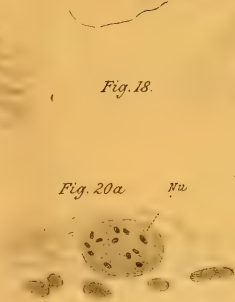


Fig. 20 a.

Fig. 20 b.



Fig. 21.

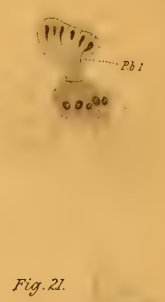


Fig. 23.

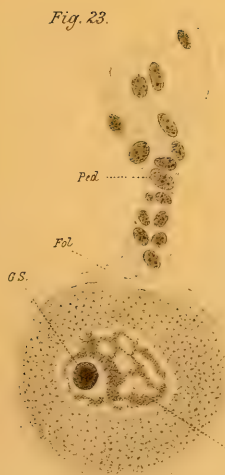


Fig. 22.

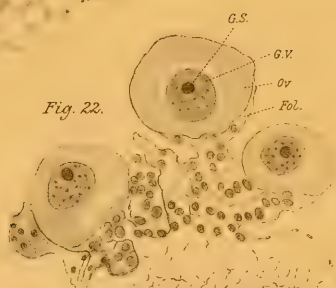


Fig. 25.

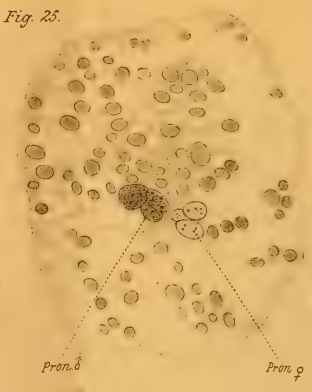


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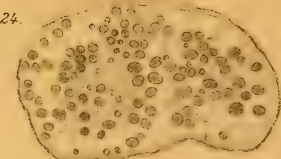


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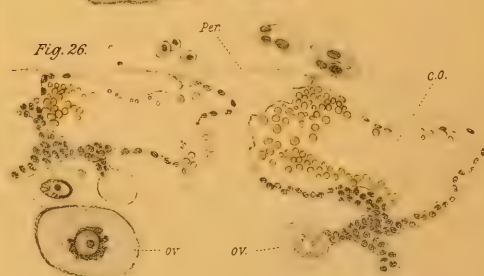


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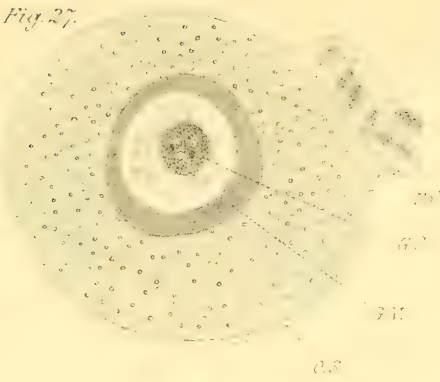


Fig. 28.

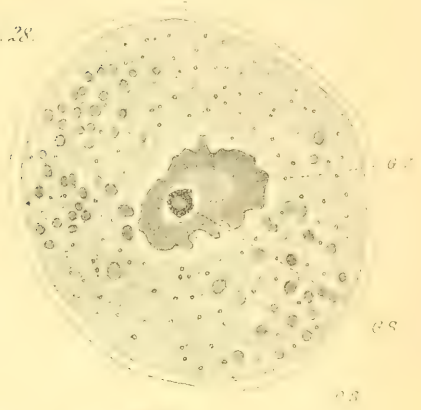


Fig. 30.

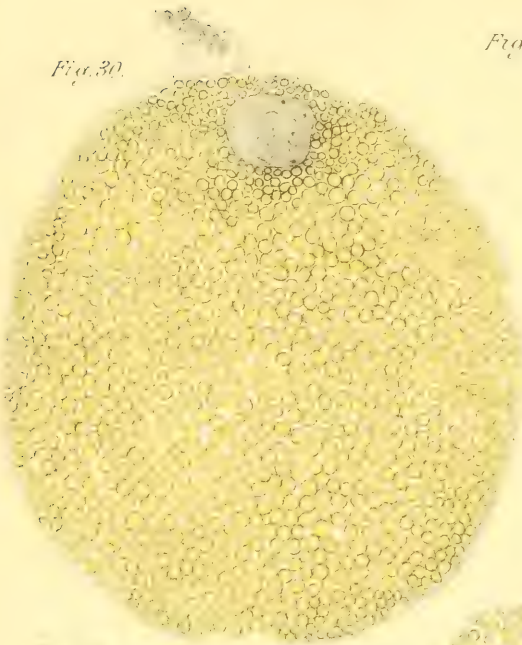


Fig. 29.

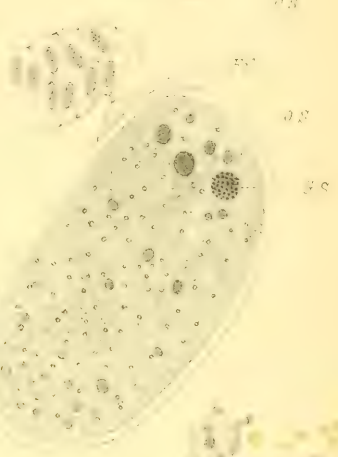


Fig. 32.

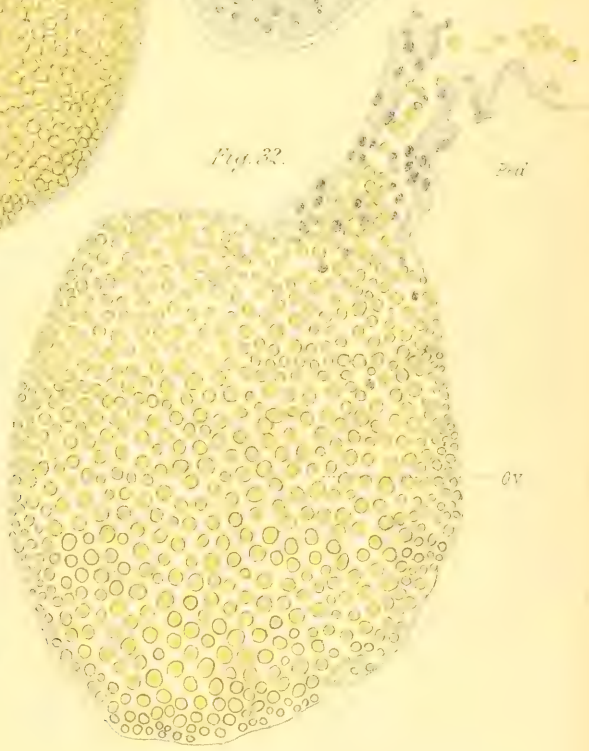
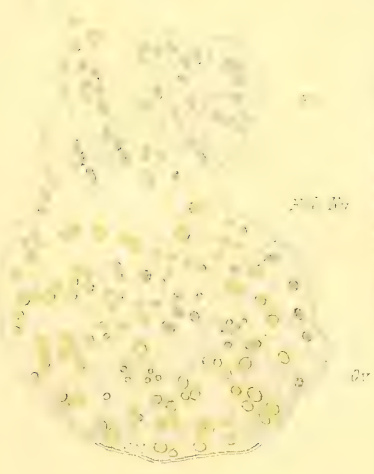
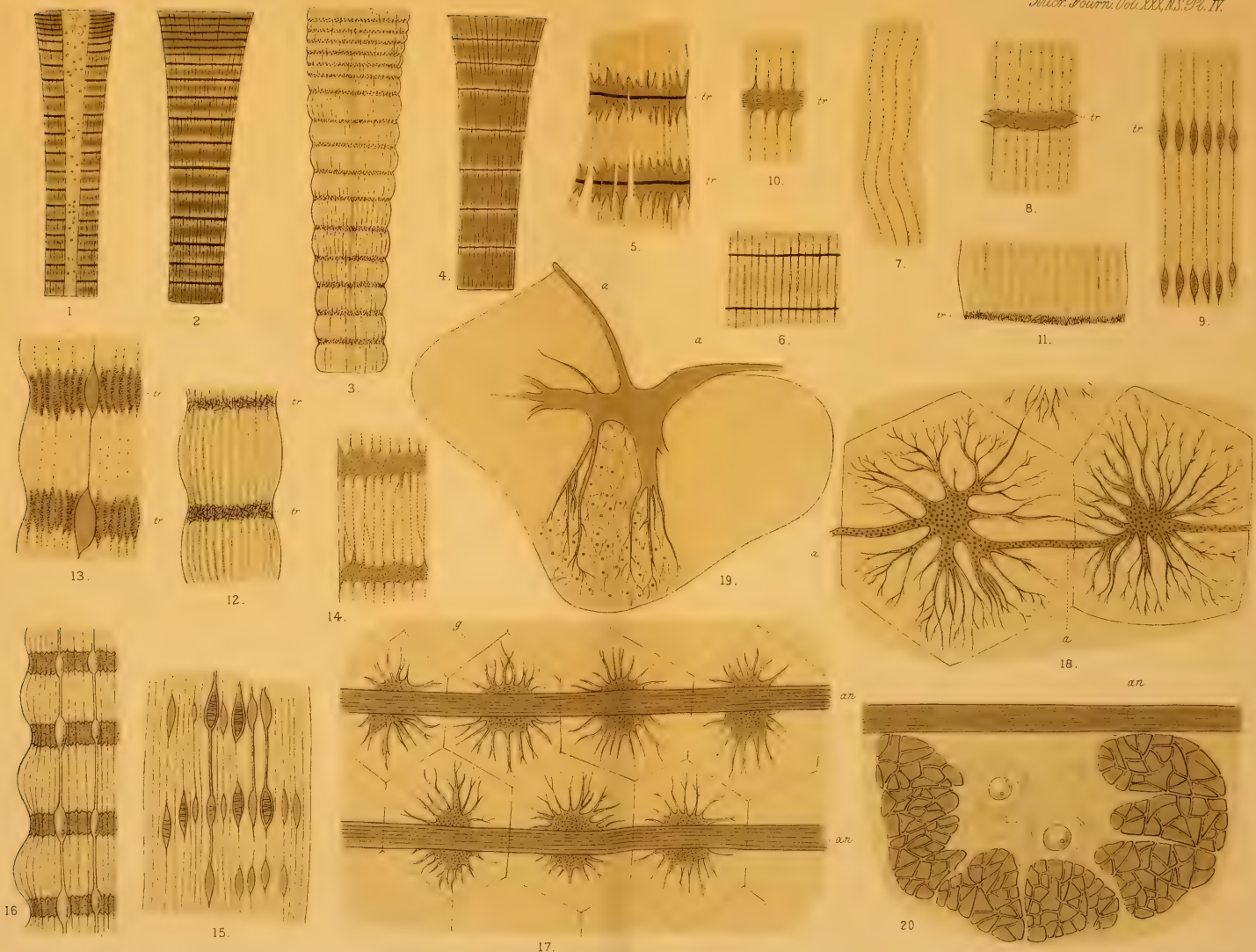


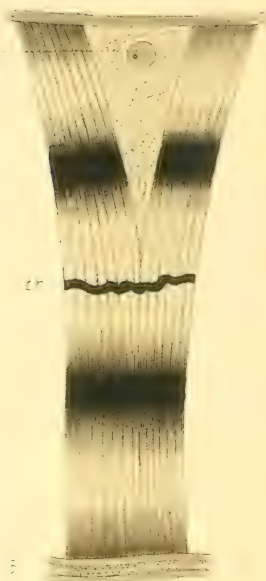
Fig. 31.







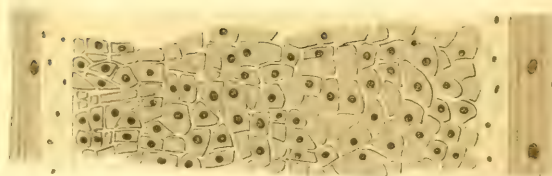
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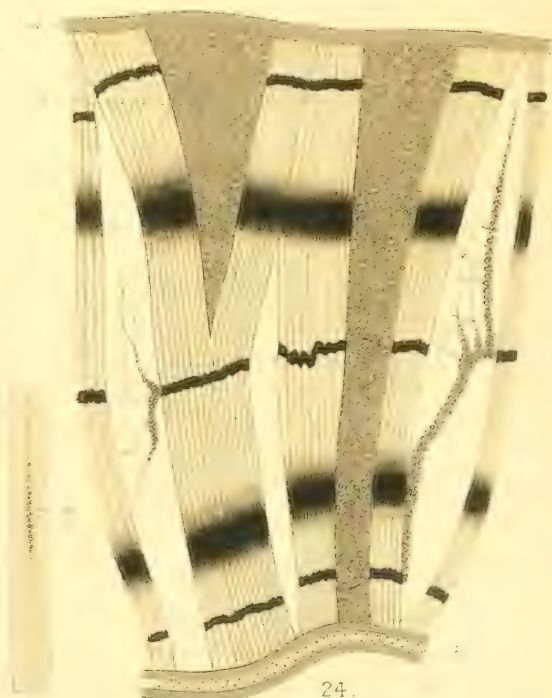
23.



27.



25.



26.

24.

	B	C	D	E	F	G	
Sp 1.							Antedone in alcohol.
2.							Do thinner layer.
3.							Do with HCL.
4.							Do with NH_4HO .
5.							Do with acetic acid.
6.							Lycopodium of Goniatite deep layer.
7.							Do shallow layer alcohol.
8.							Do in chloroform.
9.							Pigment of <i>Leptodonta</i> in alcohol.
10.							Chlorophyll of <i>Chasmodon</i> in alcohol.
11.							Do with HCL
12.							Pigment of <i>Leptodonta</i> in alcohol.
13.							Do thinner layer.
14.							Do in ether.
15.							Alcohol sol. of last after evaporation.
16.							Pigment of <i>Syrinx</i> in ether.
17.							Do thinner layer.
18.							Pigment of <i>Corynactis</i> .
19.							Do after treatment with KHO then NH_4HS added.

Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.

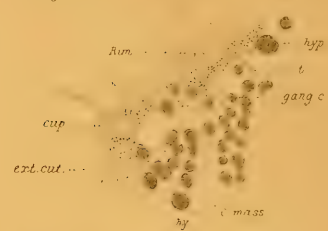


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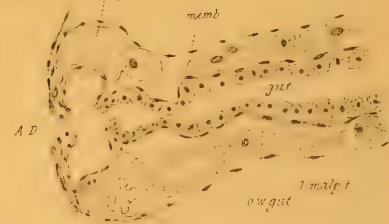


Fig. 5.



Fig. 6.



Fig. 7.

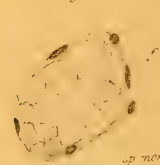


Fig. 12.



Fig. 13.

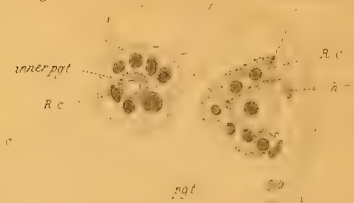


Fig. 9.



Fig. 10.



Fig. 11.

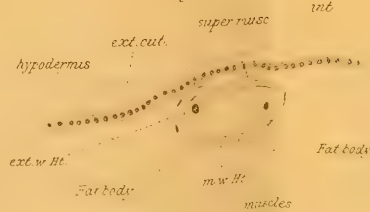


Fig. 14.





Fig. 1 x 12.



Fig. 2 x 12.

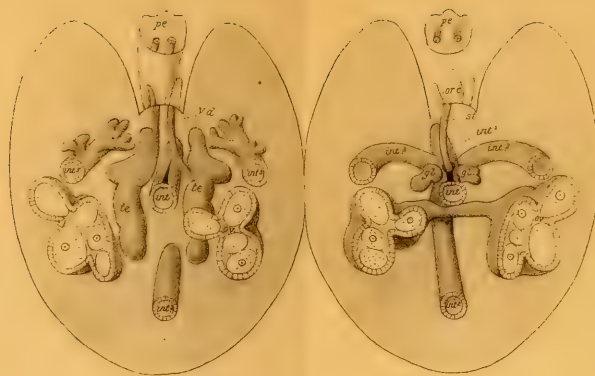


Fig. 5.



Fig. 7.

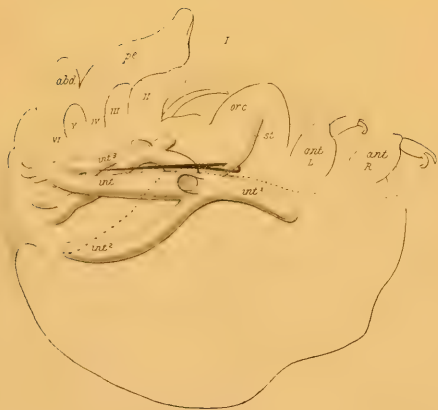


Fig. 3.



Fig. 6.



Fig. 4.

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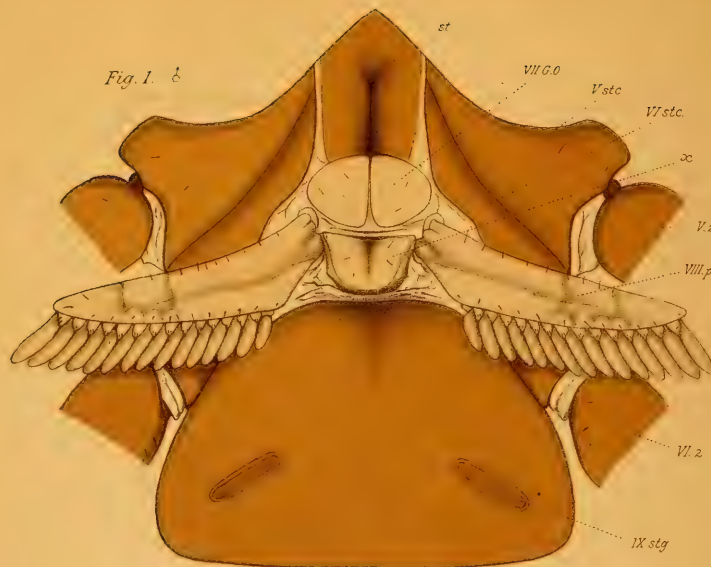


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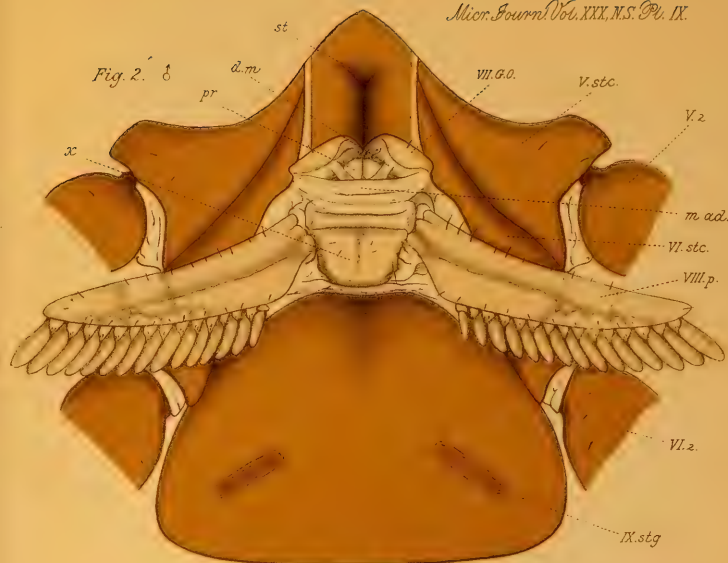


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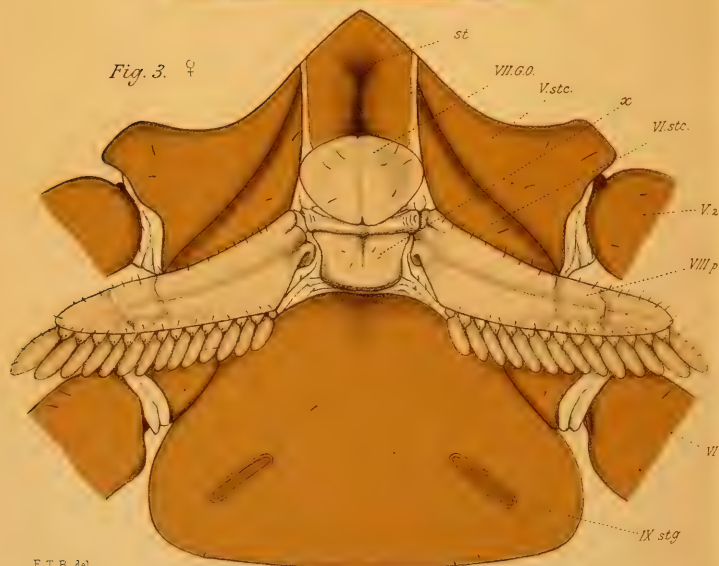
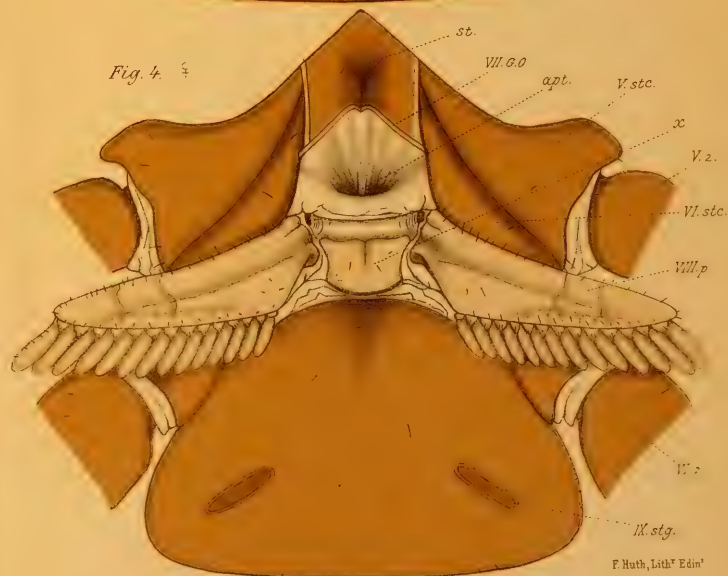


Fig. 4. ♀



Fra 2

Fig. 5

Fig. 3.

Fig 1

Fig. 4

Fig. 6³

Fig 12

Fig. II.

Fig 7.

Fig 8

Fig. 10.

Fig. 9.

Fig. 13.

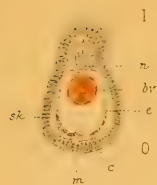


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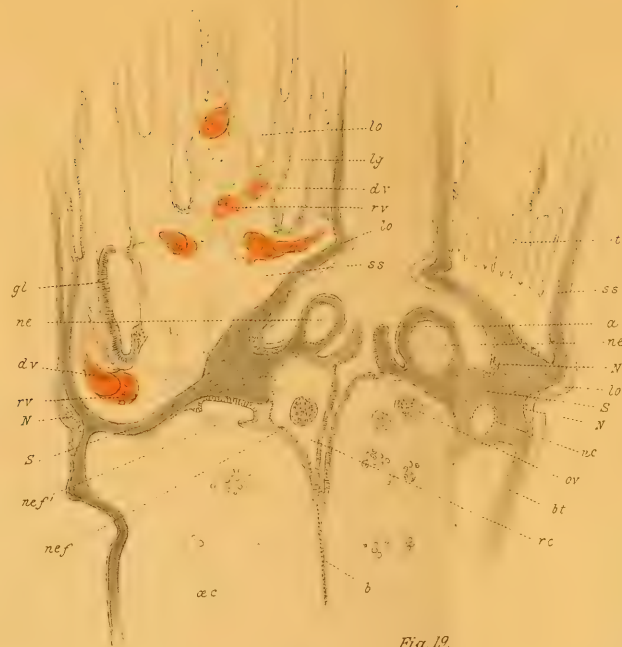


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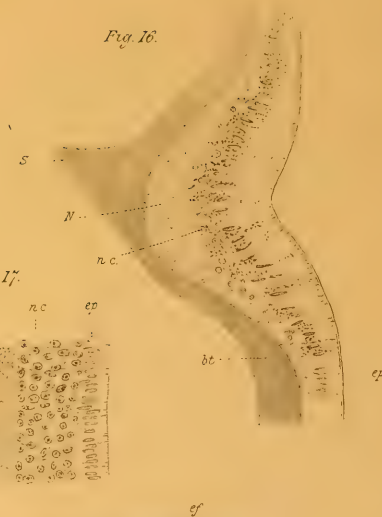


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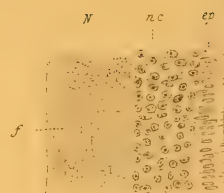


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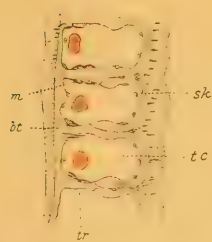


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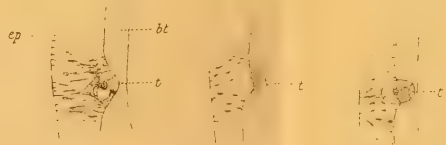


Fig. 21.



Fig. 20.



Fig. 18.

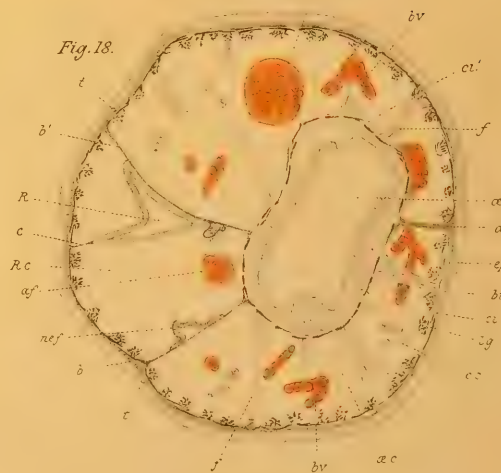


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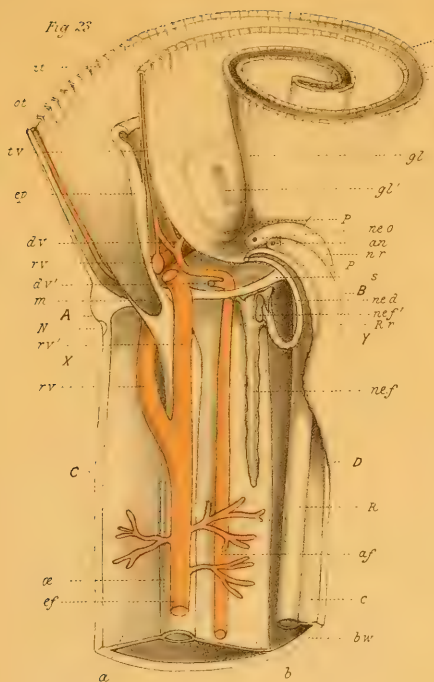


Fig. 24.



Fig. 25.



Fig. 26.



Fig. 27.

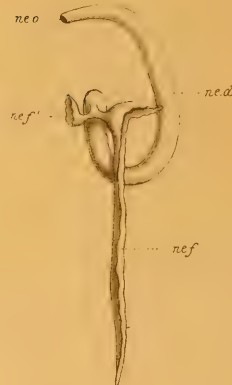


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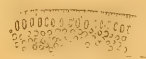


Fig. 32.



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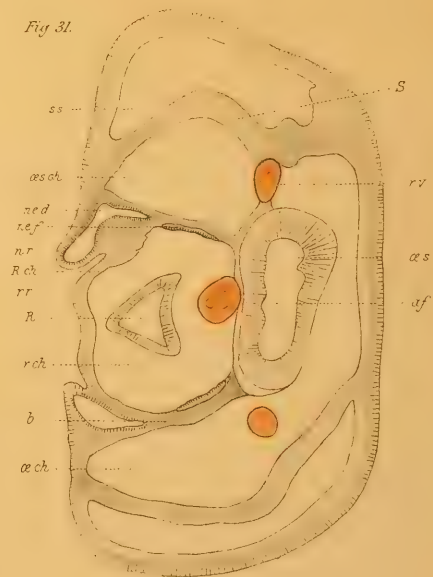


Fig. 30.



Fig. 33.



Fig. 35.



Fig. 34.



Fig. 34 a.

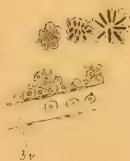
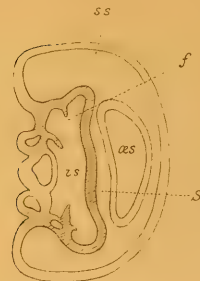


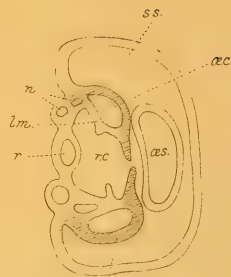
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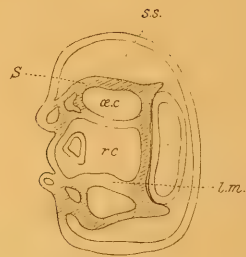
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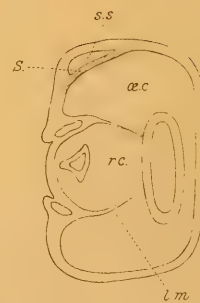
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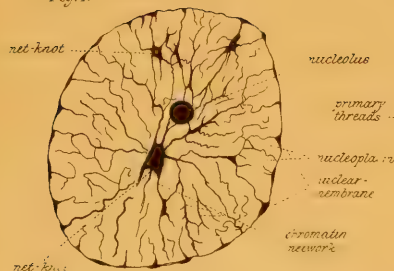


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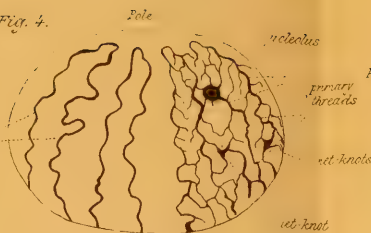
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Fig. 1.



Resting Nucleus.

Fig. 4.



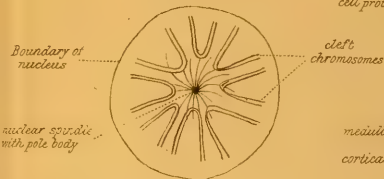
Resting Nucleus side view

Fig. 5.



Loose-Skein

Fig. 8.



Monaster from Pole.

Fig. 9.



Metakinesis

Fig. 11.



Dyaster

Fig. 12.

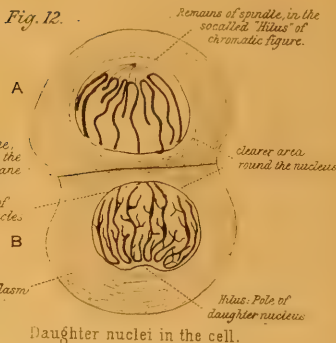


Fig. 13.

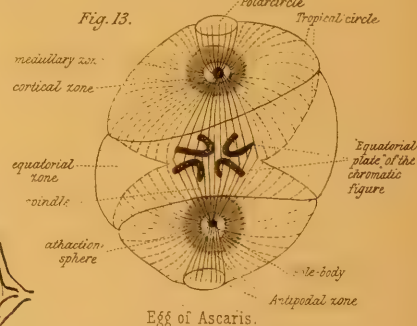
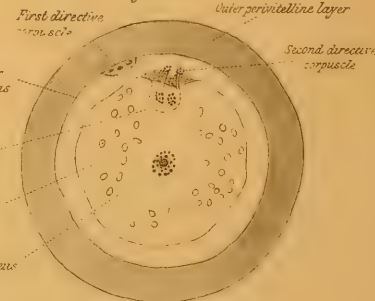


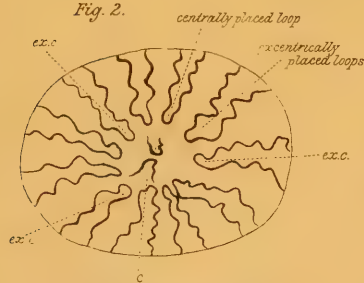
Fig. 14.



Egg of Ascaris:
extrusion of 2nd Directive corpuscle

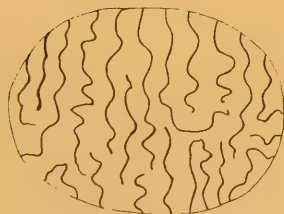
F. Rath, Lith. Edin'

Fig. 2.



"Loose Skein stage" seen from "Pole."

Fig. 3.



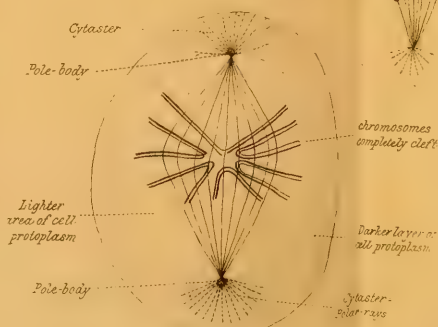
"Loose Skein" stage: from "Antipole."

Fig. 6.



Longitudinal splitting of Chromosomes

Fig. 7.



Cell & Nucleus in "Monaster" stage

Fig. 1.

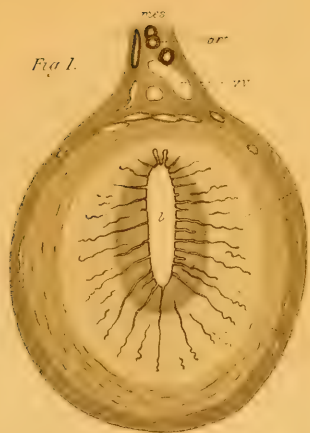


Fig. 2.



Fig. 3.

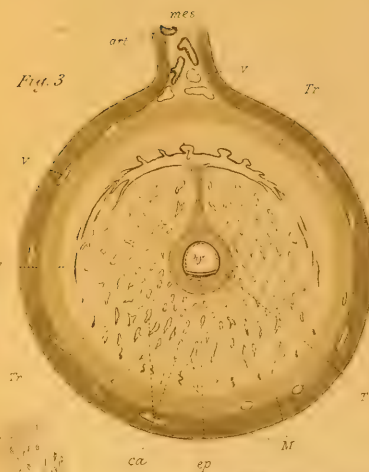


Fig. 10.

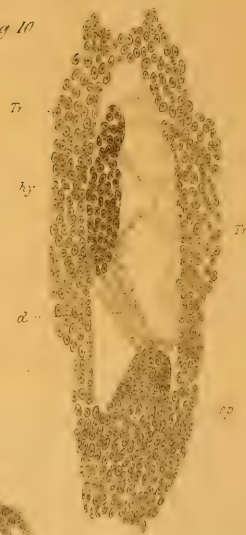


Fig. 4.



Fig. 6.

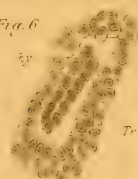


Fig. 7.

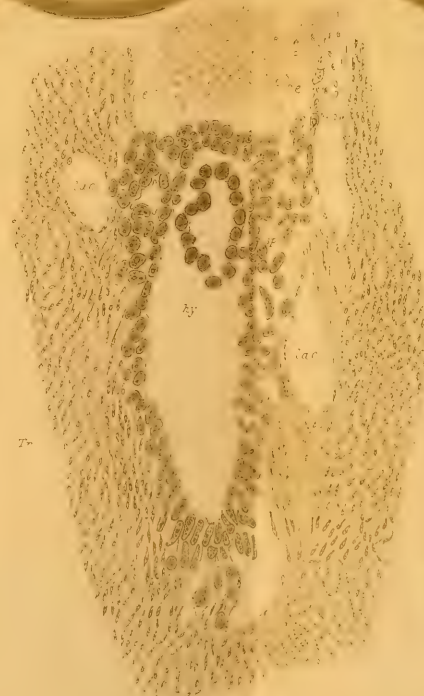


Fig. 8.



Fig. 5.



Fig. 9.



Fig. 8a.



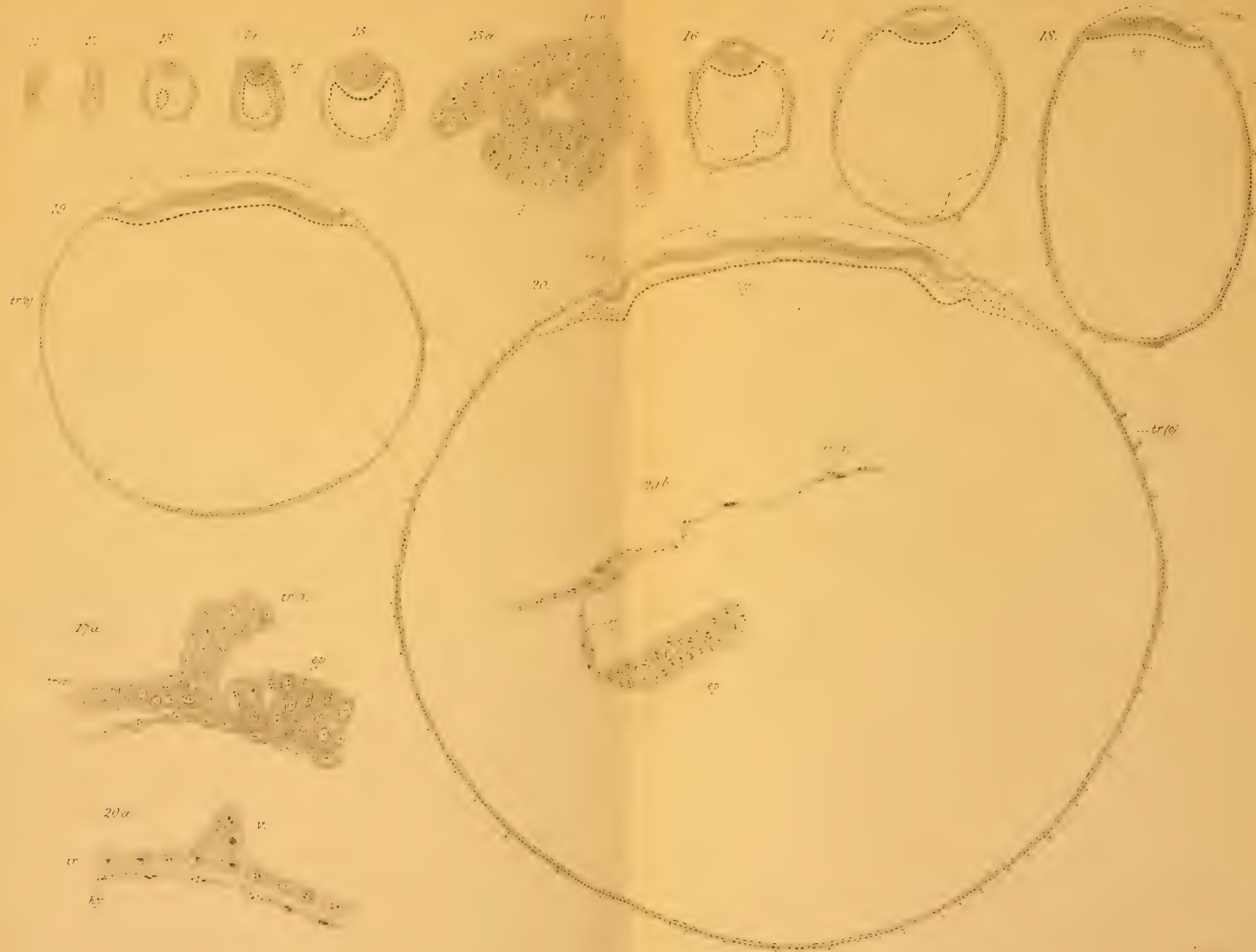




Fig. 21.



Fig. 22.



Fig. 26.



Fig. 27.



Fig. 23.



Fig. 24.



Fig. 25.

Fig. 28.



Fig. 29.



Fig. 30.

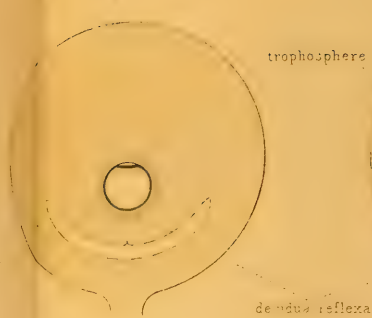


Fig. 31.

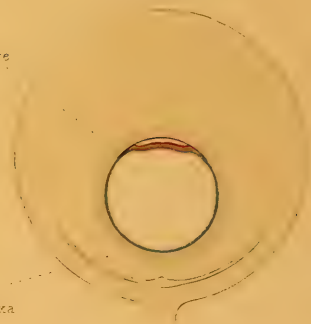


Fig. 32.

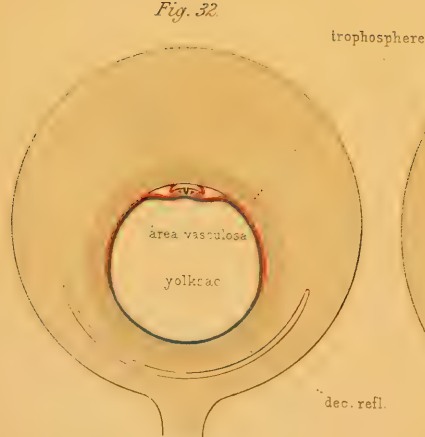


Fig. 33.

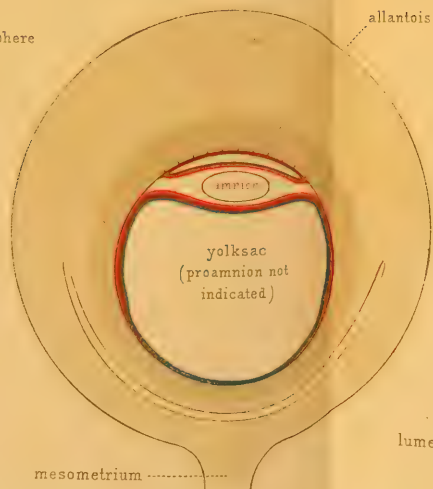


Fig. 34.

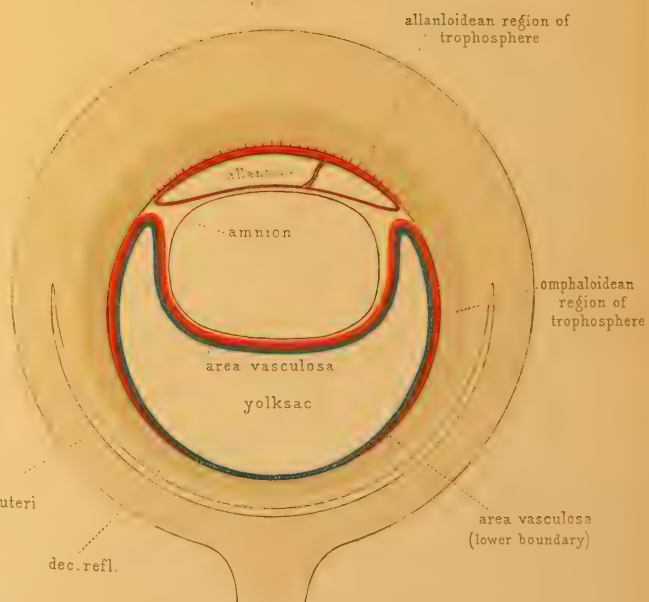


Fig. 35.

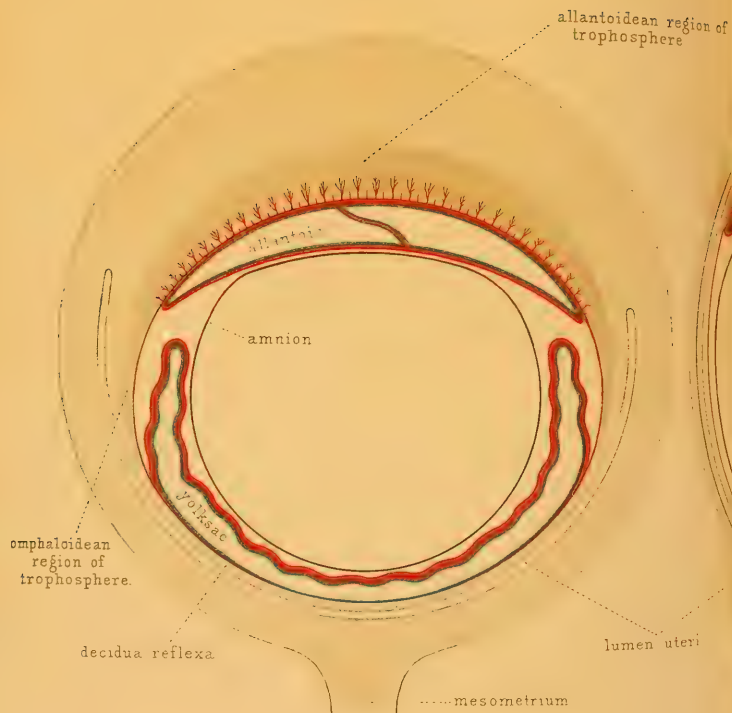
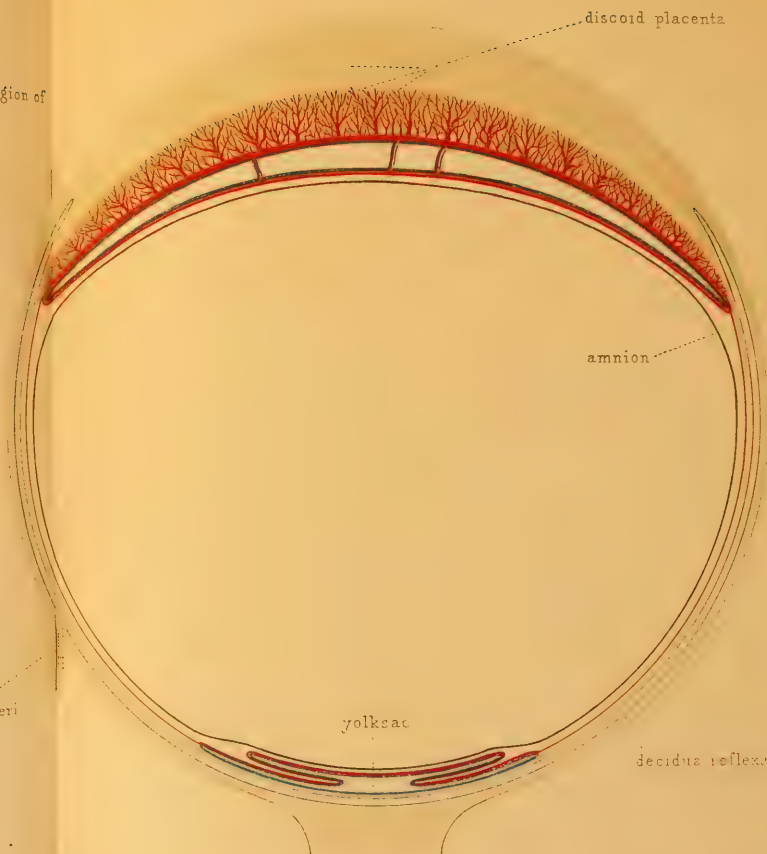
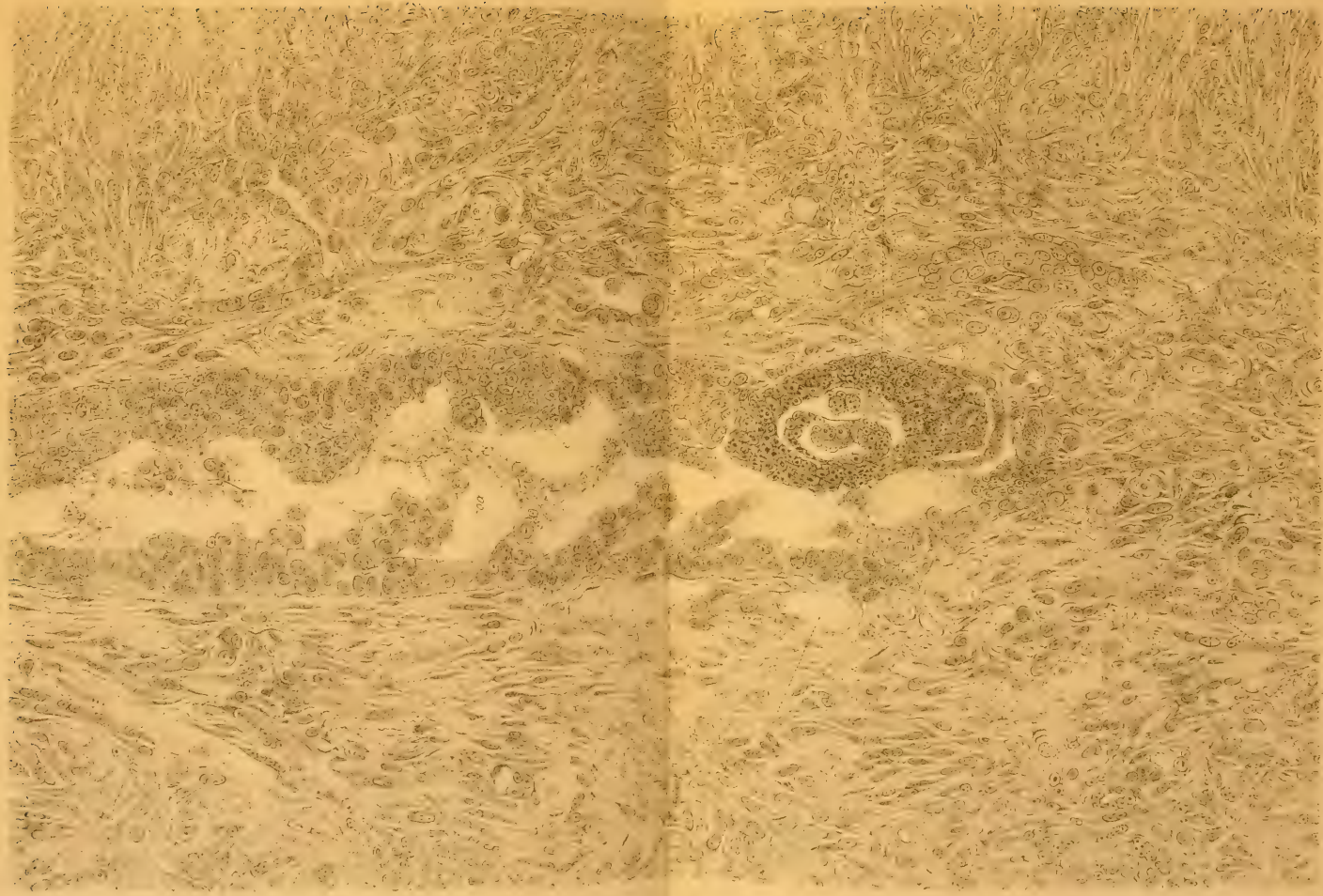


Fig. 36.



J. il V^r de Graaf del



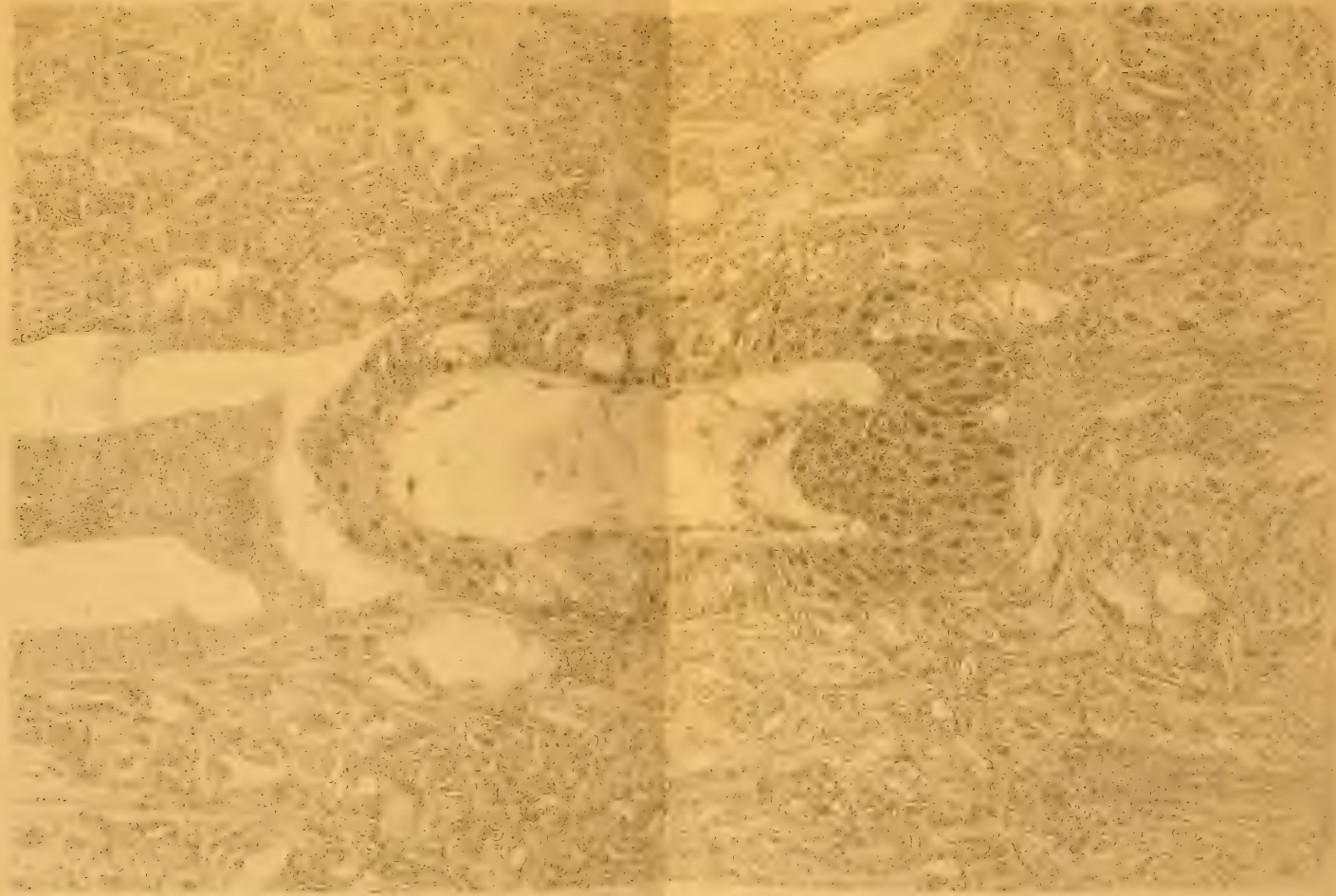


Fig. 40



Fig. 41

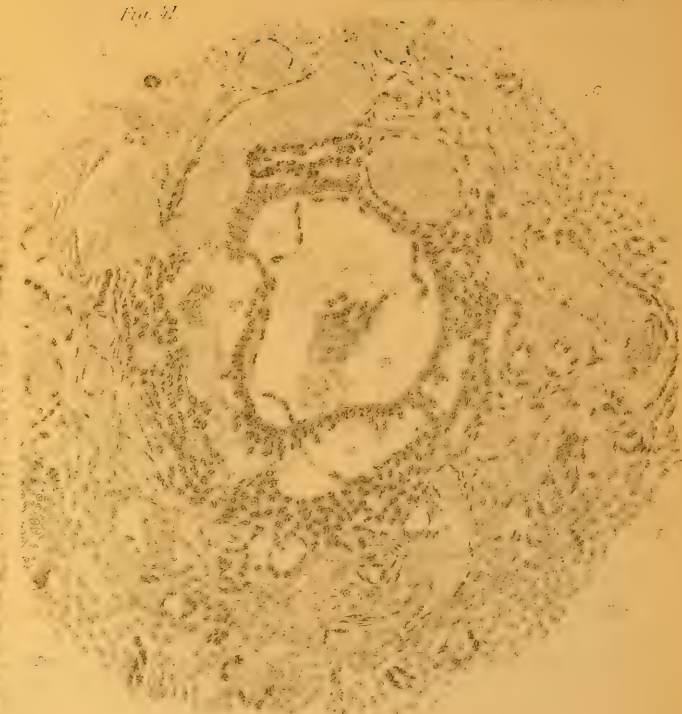


Fig. 42

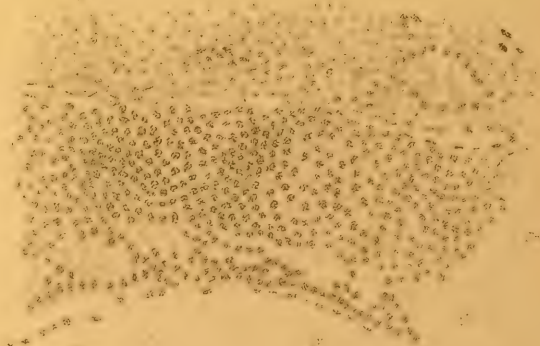


Fig 44.

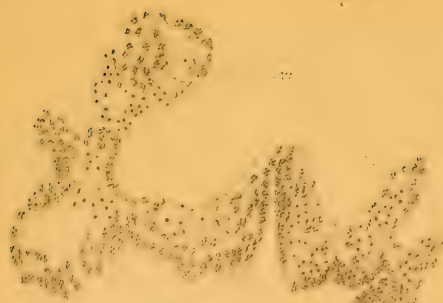


Fig 45.

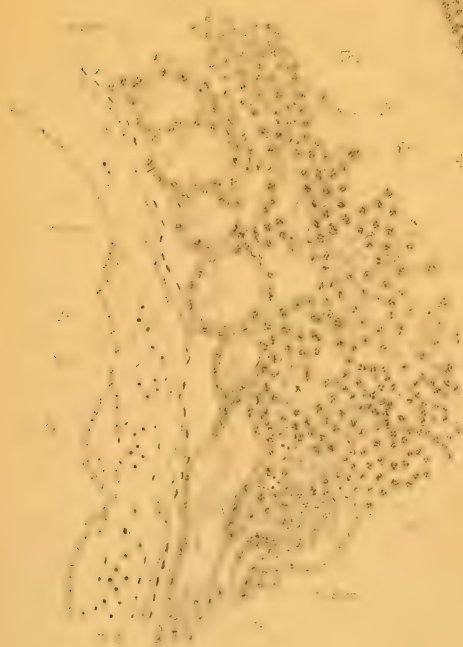


Fig 46.

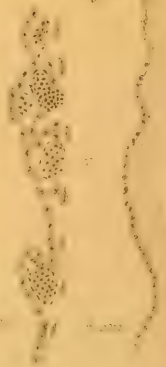


Fig 47.

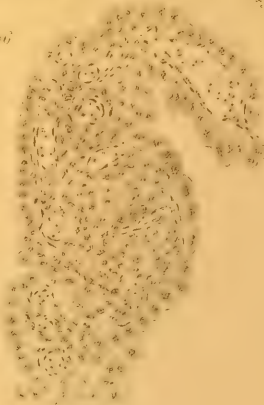


Fig 48.

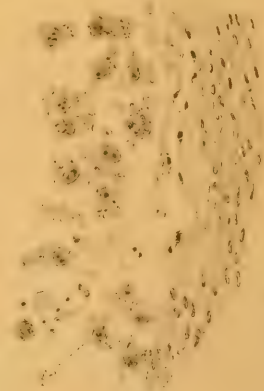


Fig. 52.

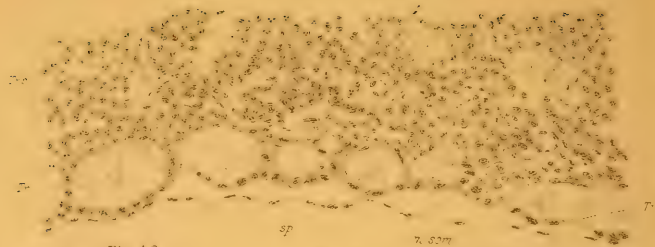


Fig. 49.

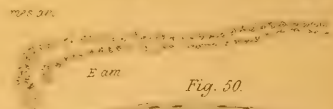
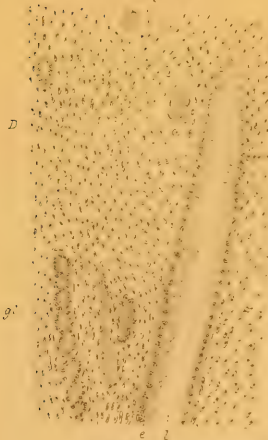


Fig. 50.



Fig. 53.

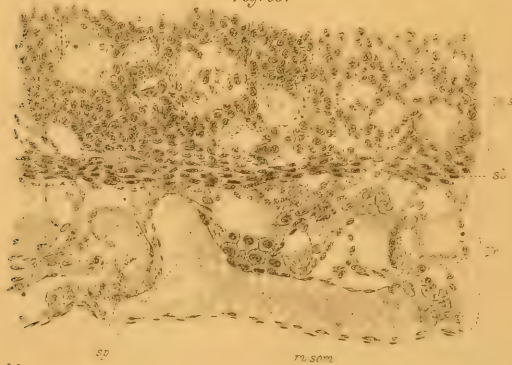


Fig. 51.



Fig. 48.

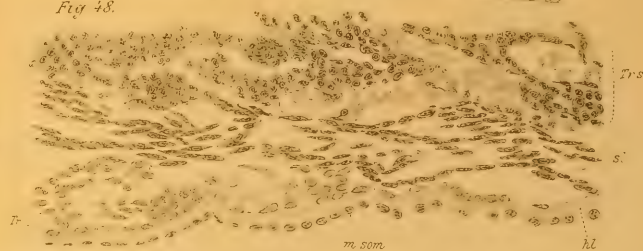


Fig. 54.

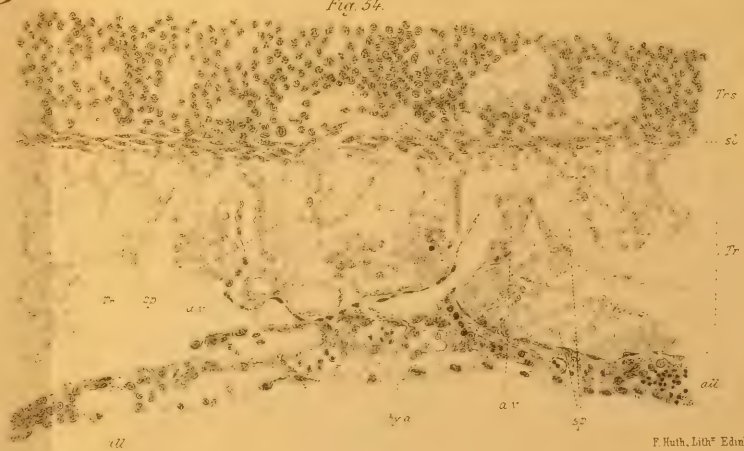


Fig. 55.

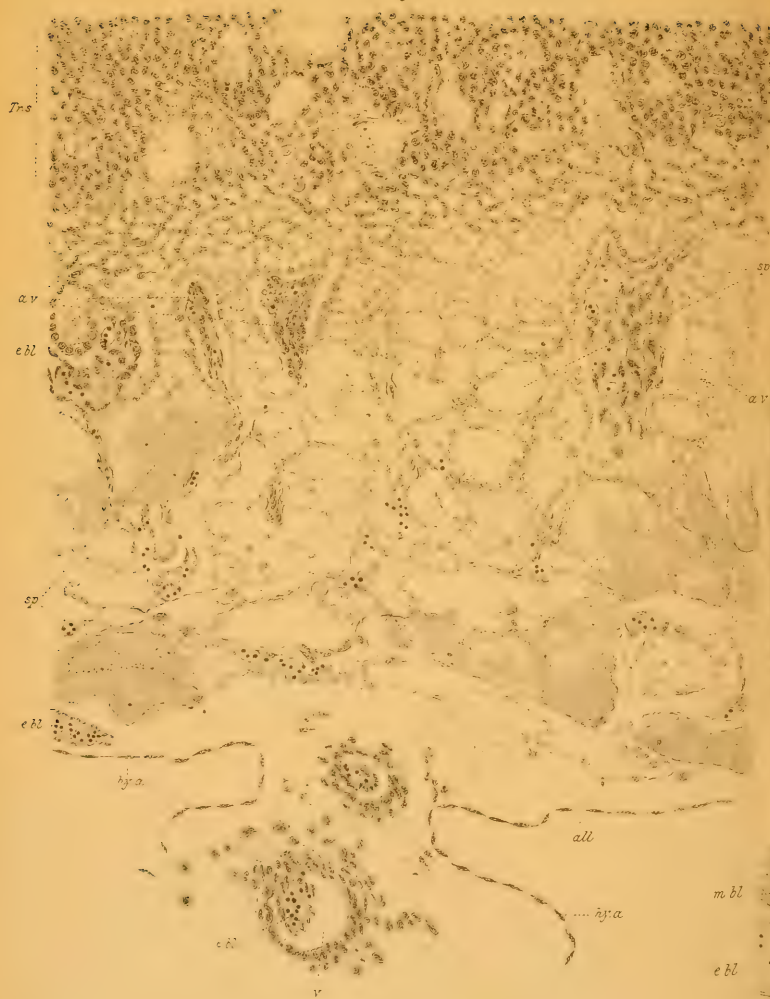
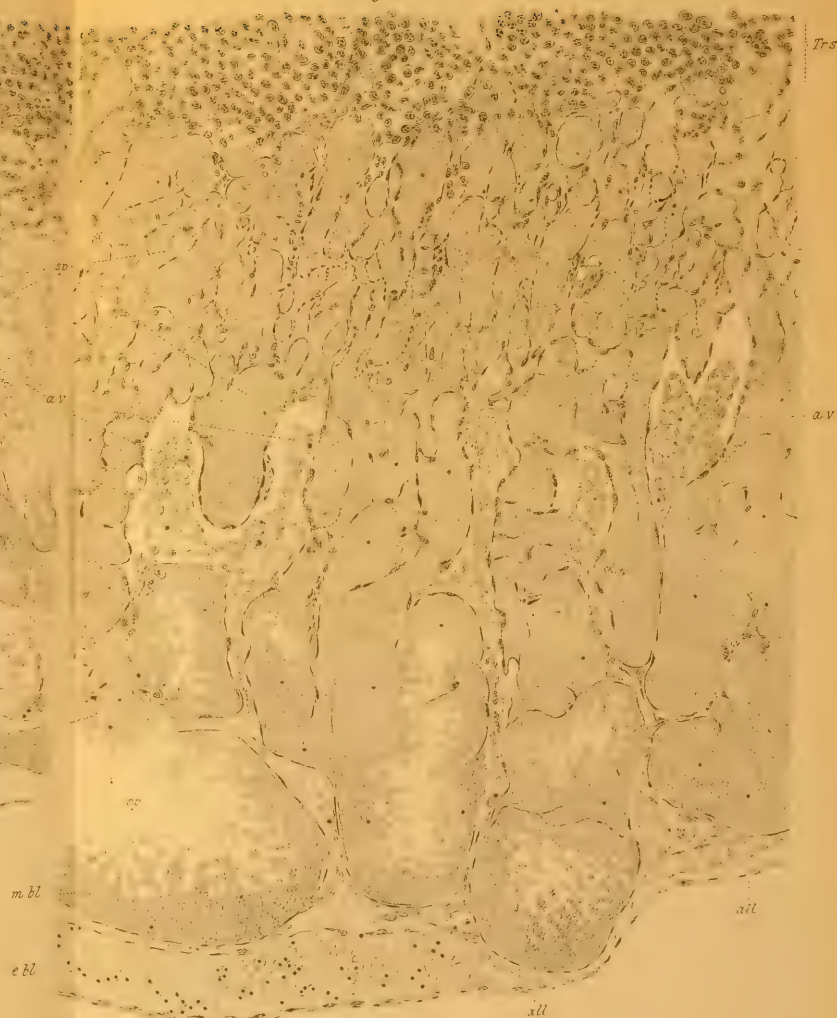


Fig. 56.



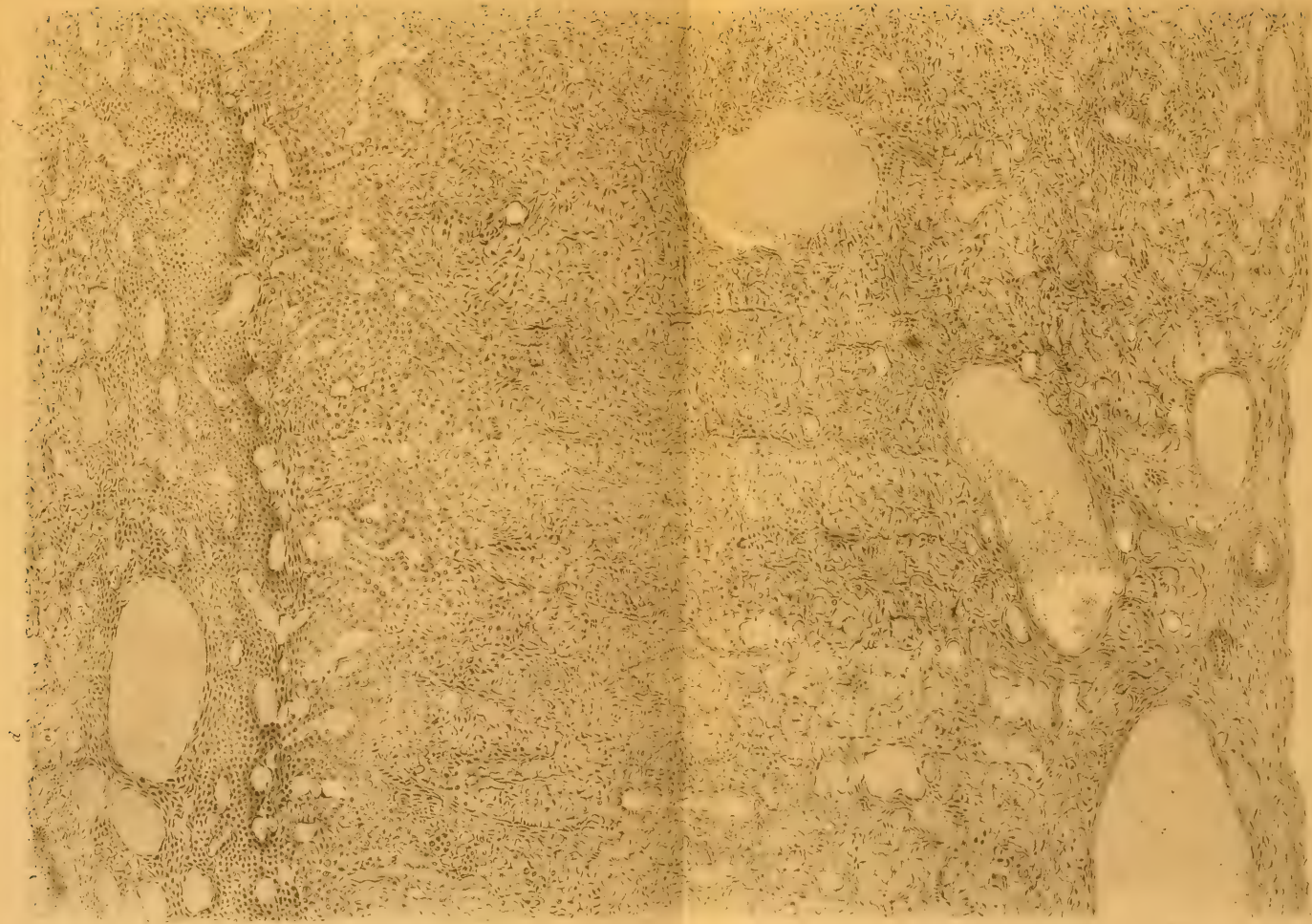


Fig. 57.

Fig. 1.

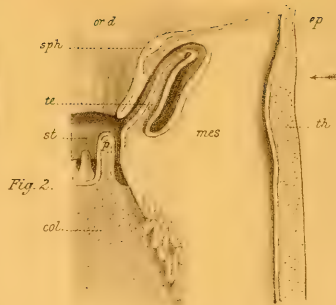
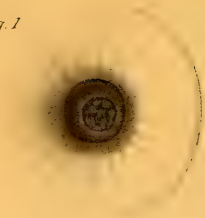


Fig. 2.



Fig. 4.

Fig. 3.



Fig. 5.

$\times 15$

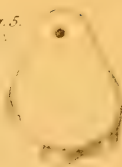


Fig. 6.

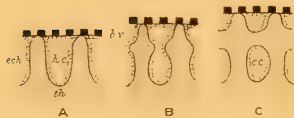
$\times 12$



Fig. 7.



Fig. 11.



A

B

C

Fig. 8.



Cavity for Sipunculid.

Fig. 9.

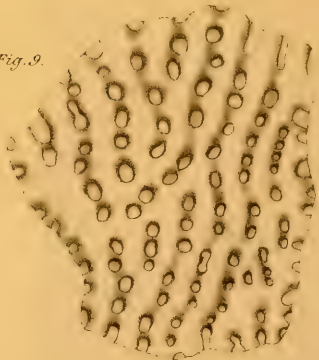


Fig. 10.

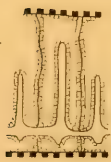


Fig. 1.

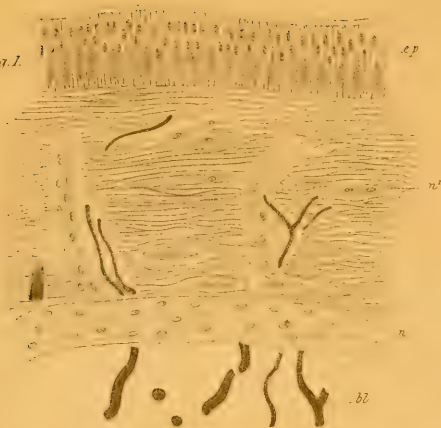


Fig. 5.

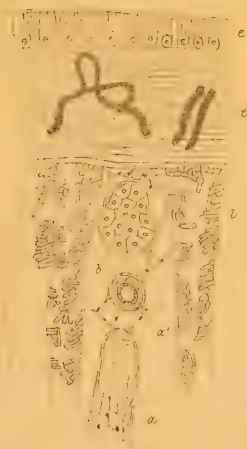


Fig. 6.

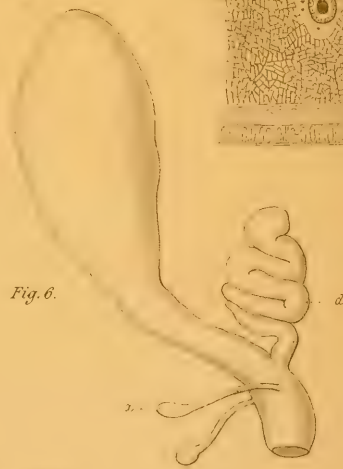


Fig. 10.



Fig. 2.

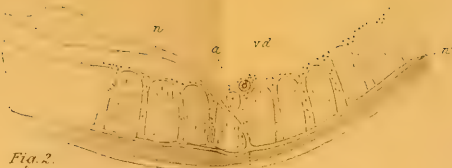


Fig. 2a.



Fig. 7.



Fig. 3.

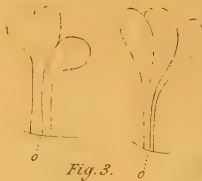


Fig. 8.



Fig. 9.

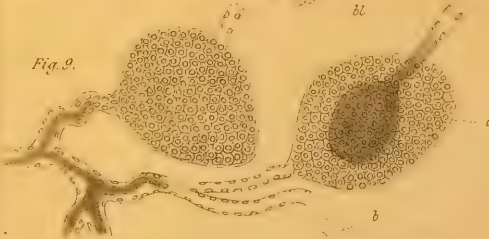


Fig. 11.

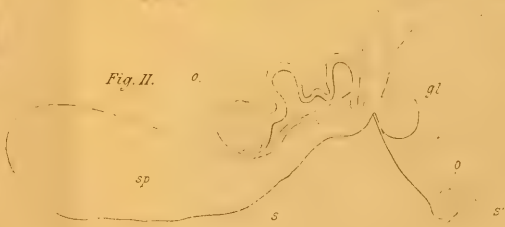


Fig. 4.



Fig. 13.

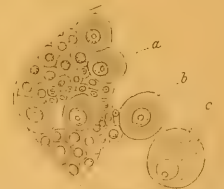


Fig. 12.



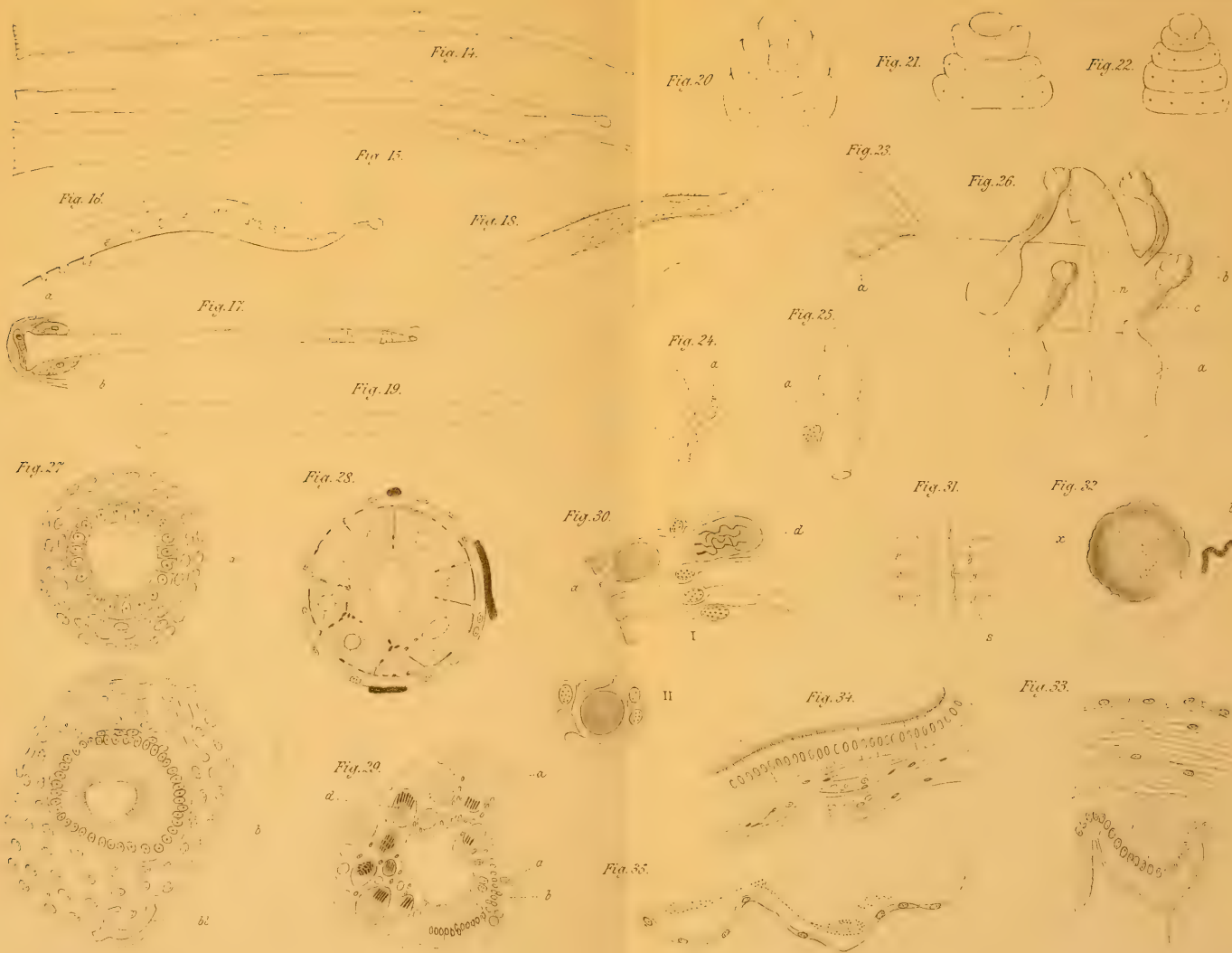


Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.

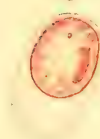


Fig. 6.



Fig. 7.



Fig. 8.



Fig. 9.



Fig. 10.



Fig. 11.

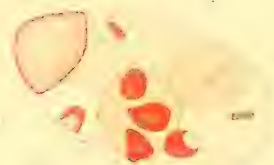


Fig. 12.



Fig. 13.

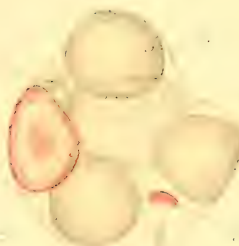


Fig. 14.



Fig. 15.

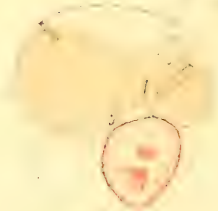


Fig. 16.



Fig. 17.



Fig. 18.



Fig. 19.



Fig. 20.



Fig. 1.

x 37

Fig. 2.

x 25

a

Fig. 3.

x 25

Fig. 5.

x 600

coel

Fig. 6.

end'

pr l

Fig. 8.

tentacle?

praesumb. lid.

← 6

ectodermal ingrowth filling up the future subumbrellar cavity

endodermal core of manubrium

excavation for subumbrellar cavity.

oesophagus

permanent ectoderm of the manubrium.

← 7
coecal canals

radial canal.

coelenteron of the hydroid polyp.

Fig. 7.

sc

rc

pc

c

oes man'

ect'

Fig. 9.

x 400

end'

ect'

pc

man'

pc

sc

c

rc

oes.

c

rc

Fig. 4.

x 250

Fig. 1.

Fig. 3.

Fig. 2.

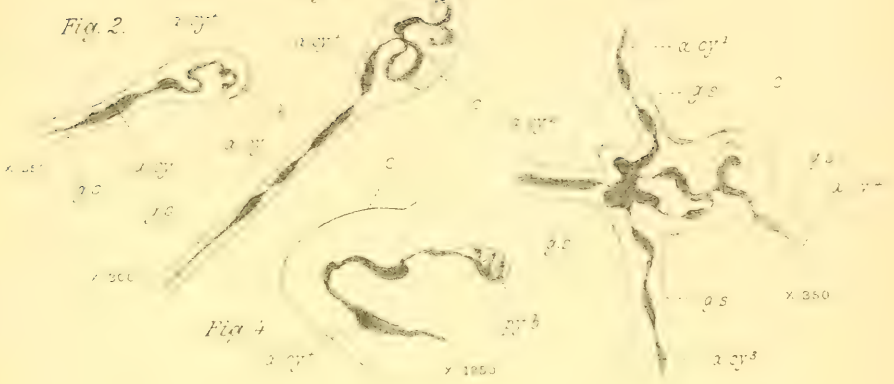


Fig. 4.

x 1850

Fig. 7.

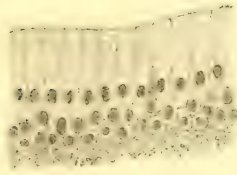


Fig. 9.

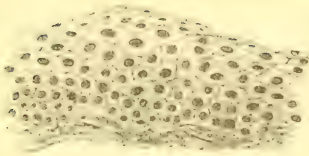


Fig. 8.

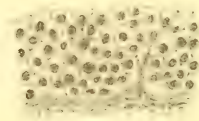


Fig. 6.

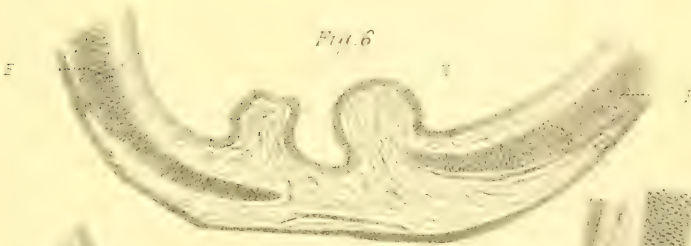


Fig. 5.

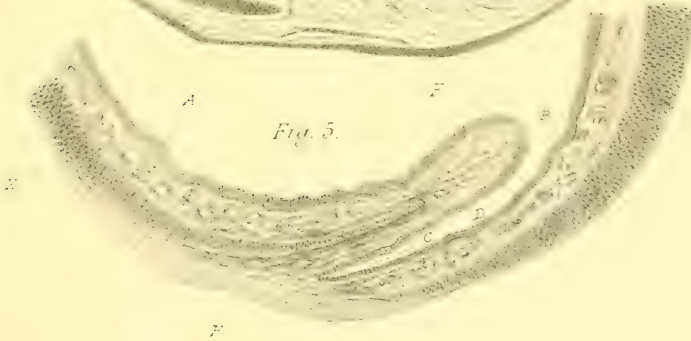


Fig. 1.

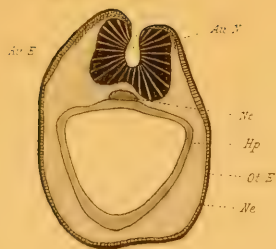


Fig. 2.



Fig. 4.



Fig. 9.



Fig. 3.



Fig. 5.



Fig. 11.

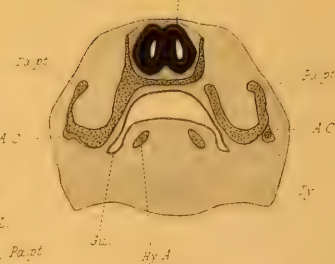


Fig. 6.

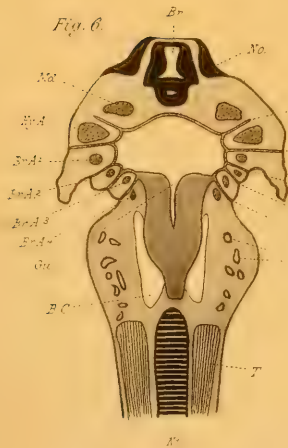


Fig. 7.

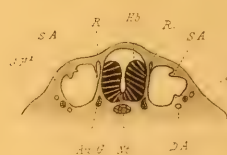


Fig. 10.



Fig. 13.

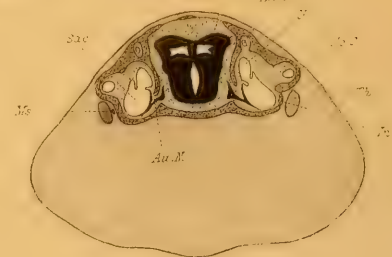


Fig. 12.

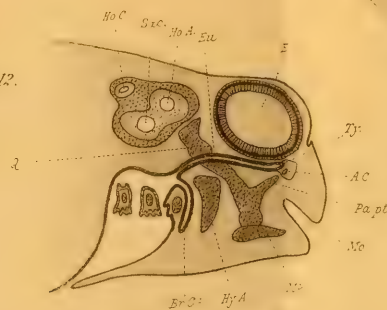


Fig. 8.



Fig. 14.

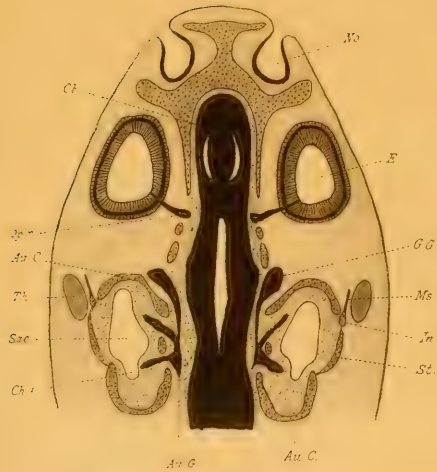


Fig. 16.



Fig. 18.



Fig. 17.

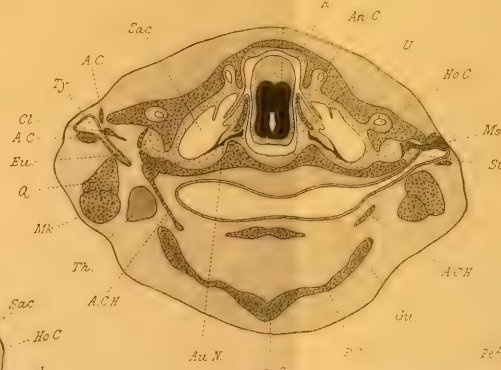


Fig. 15.



Fig. 19.

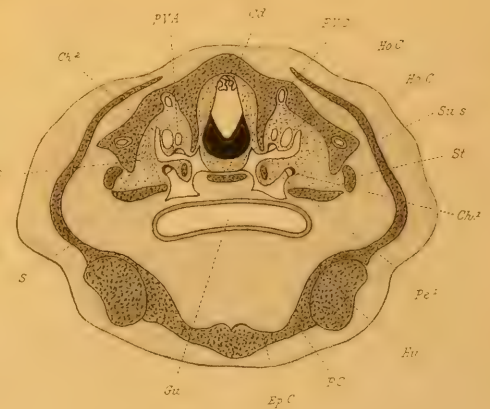


Fig. 1.

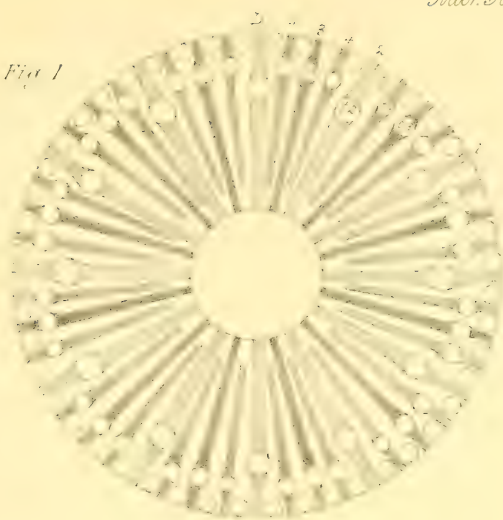


Fig. 2.



Fig. 3.



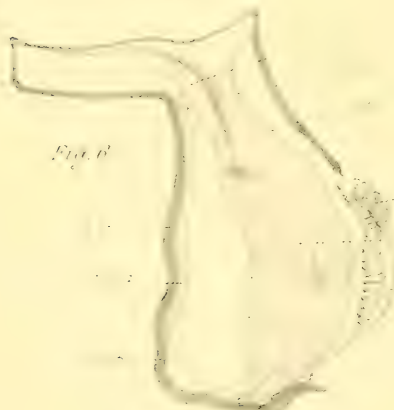
Fig. 4.

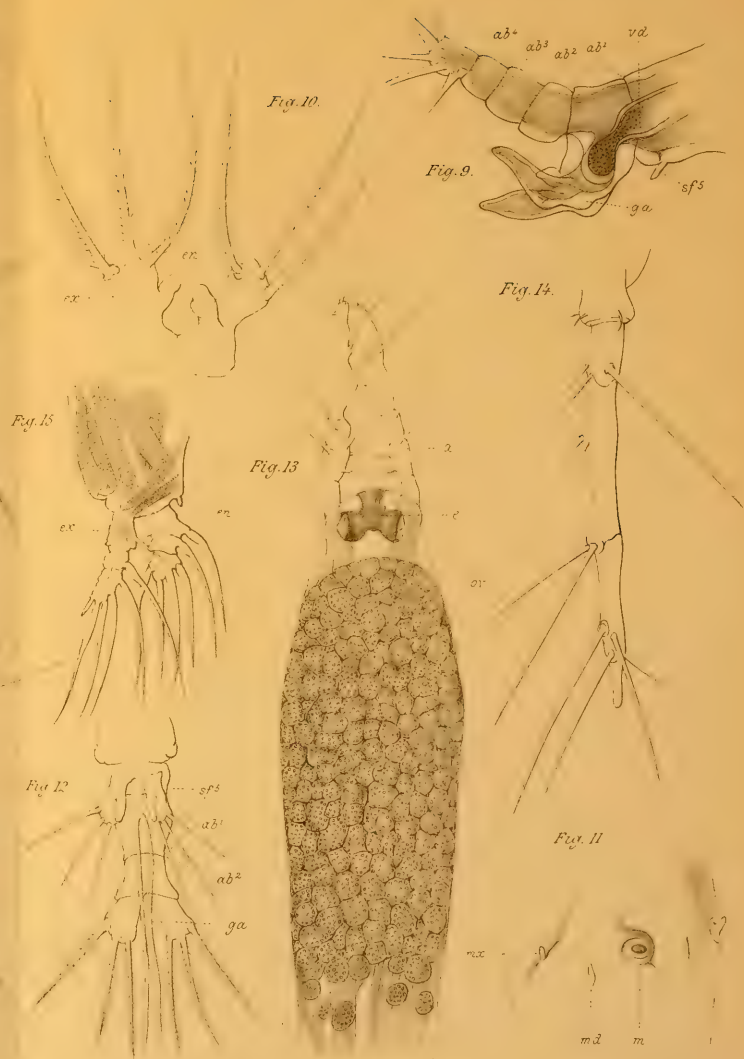
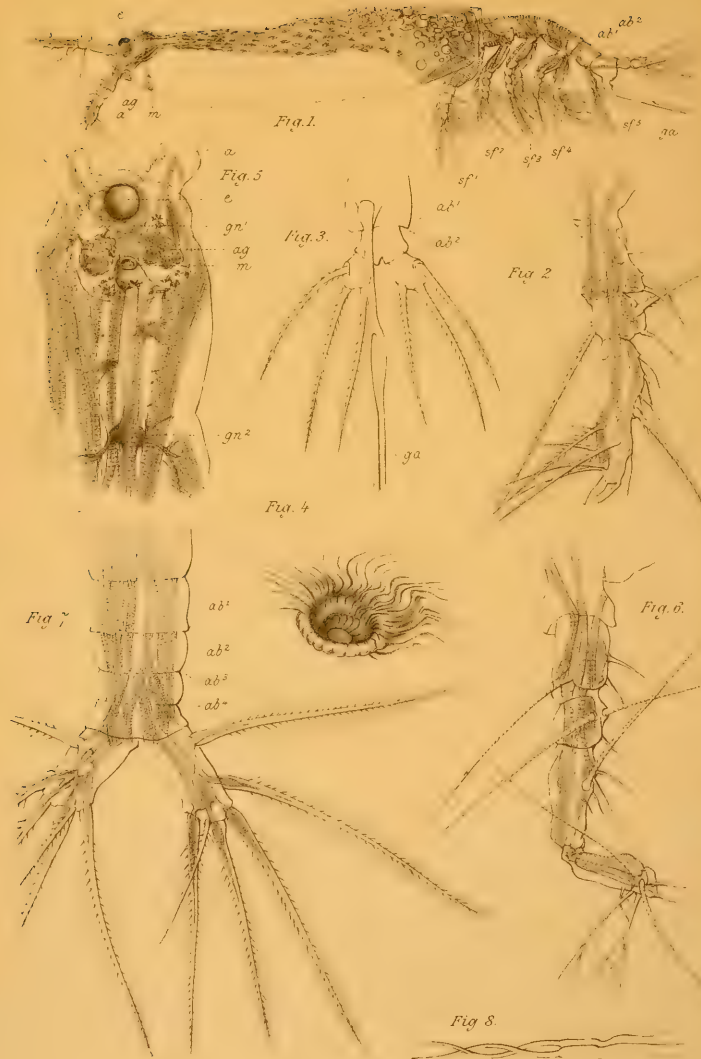


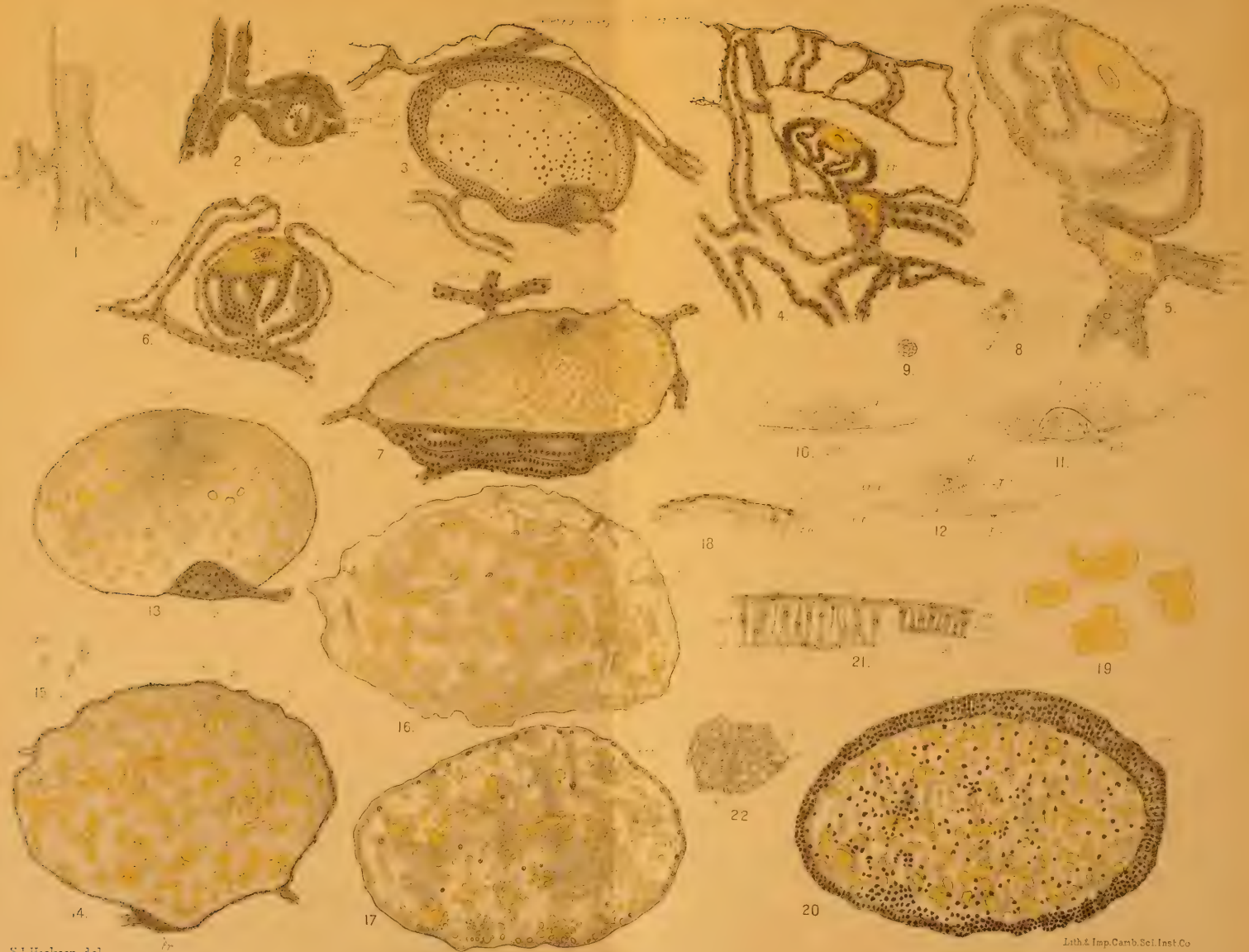
Fig. 5.



Fig. 6.







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